Nan	ne:					Forest Management	
Eva		e the	stu		t by checking the appropriate number or letter to indicate lect employability readiness rather than the grades given		
Rat	ting	Scal	le:				
3				ed –	can work independently with no supervision		
2					pervision – can perform job completely with limited sup	ervision	
1					ed – requires instruction and close supervision		
1	N 1	No E	Cxpc	osur	e – no experience or knowledge in this area		
NOT	E: T	he c	ode	in p	arentheses is the competency identification number used	in computerized management systems.	
	3	2	1	N	A. Careers	Notes:	
					1. Explain professional conservation career opportunities and their requirements with an emphasis on forestry careers (A001)		
					2. Explain technical forestry career opportunities and their requirements (A002)		
					Other:		
	3	2	1	N	B. Forest Plant Identification	Notes:	
					1. Identify common Missouri trees without the use of a key (B001)		
					2. Describe and use a plant identification key (B002)		
					3. Describe the silvics of common Missouri trees (B003)		
					4. Describe different tree uses (B004)		
					5. Describe Missouri forest types (B006)		
					Other:		
	3	2	1	N	C. Forest Measurement	Notes:	
					1. Interpret surface features using aerial photographs		
					and topographic maps (C001)		
					2. Locate a tract of land by using a map and the legal description (C002)		
					3. Make measurements by chaining, pacing, and using a hand compass (C003)		
					4. Estimate diameter at breast height, tree height, and		
					basal area per acre (C010) 5. Describe and estimate site index (C011)		
					6. Describe stand density and determine stocking level		
					(C012) 7. Estimate the volume of standing timber (C008)		
	1	1	1	1	1	1 I	

8. Identify criteria used in grading trees (C009)

Other:

2	1	1	N.T	D C'L'	MI-A
3	2	1	N	D. Silvicultural Practices	Notes:
				1. List factors to consider when selecting a tree	
				species for planting (D001) 2. Describe the advantages and disadvantages of	
				different site preparation methods (D002)	
				3. Identify and select proper methods for planting and	
				seeding trees by hand and machine (D003)	
				4. Design a windbreak (D004)	
				5. Describe principles of natural regeneration (D006)	
				6. Describe intermediate cuttings and apply tree deadening methods (D010)	
				7. Describe and demonstrate pruning techniques (D008)	
				8. Demonstrate chain saw safety and maintenance procedures (D009)	
				Other:	
2	•	1	N.T	E Forest Desaures Dusto-4	Notes
3	2	1	N	E. Forest Resource Protection 1. Describe watershed concepts and protection	Notes:
				measures (E001)	
				2. Describe the causes, effects, behavior factors, and	
				control methods associated with forest fires (E007)	
				3. Describe common insect and disease problems in	
				Missouri forests (E004)	
				4. Assess how forest management can be used to	
				improve wildlife habitat (E005)	
				5. List the effects recreation can have on the forest	
				(E006) Other:	
				Other.	
	_	1	™ T	E E (M (D)	
3	2	1	N	F. Forest Management Plan 1. Identify sources of forestry assistance available to	Notes:
				landowners (F001)	
				2. Prepare a forest management plan (F002)	
				Other:	
		1			
3	2	1	N	Leadership & Personal Development for Advanced Students (Leadership Duty C)	Notes:
				1. Develop a resume and complete a job application (C001)	
				2. Develop a plan for finding a job (C002)	
				3. Describe how to apply and interview for a job (C003)	
				4. Describe the characteristics needed to develop	
				desirable personal and social skills (C004)	
				5. Describe the importance and process of developing better human relationships (C005)	
				Other:	

3	2	1	N	Using the Missouri Farm Business Record Book	Notes:
				(SAE Duty D)	
				1. Describe the two types of accounting methods	
				(D001)	
				2. Complete the forms needed to open the Missouri	
				Farm Business Record Book (D002)	
				3. Develop a projected cash flow (D003)	
				4. Record receipts and expenditures in the Missouri	
				Farm Business Record Book (D004)	
				5. Complete additional records in the Missouri Farm	
				Business Record Book (D005)	
				6. Complete the forms necessary to summarize the	
				Missouri Farm Business Record Book (D006)	
				7. Analyze the farm business using the Missouri Farm	
				Business Record Book (D007)	
				Other:	